



Water-Data Report 2009

355422080493101 Local number IR-169, NCDENR ALLISON WOODS RESEARCH STATION, MW-3S, NEAR TURNERSBURG, NC (REGOLITH)

Piedmont and Blue Ridge crystalline-rock aquifers
Regolith

Iredell County, NC

LOCATION.--Lat 35°54'22.97", long 80°49'31.17" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03040102, 1.7 mi east of U.S. Interstate 77, 0.4 mi north of U.S. Highway 21 on Allison Woods Foundation property. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 16 ft, diameter 4 in., cased to 7 ft, screened interval from 7 ft to 16 ft, sand filter packed from 5 ft to 16 ft.

DATUM.--Land-surface datum is 851.05 ft above North American Vertical Datum of 1988. Measuring point: divot on outer steel protective casing, 2.93 ft above land-surface datum, May 12, 2006, to present.

PERIOD OF RECORD.--May 2006 to September 2009 (discontinued).

GAGE.--Measured periodically with electric tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains ground-water project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.40 ft below land-surface datum, March 5, 2007; lowest water level measured, 10.49 ft below land-surface datum, July 29, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Oct 13, 2008	10.17	Mar 16, 2009	8.33
Nov 13	10.03	Apr 27	8.63
Dec 9	9.82	Jun 30	8.79
Jan 23, 2009	9.22	Aug 13	9.55
Feb 6	9.3	Sep 30	9.67
25	9.22		

Highest: 8.33 Mar 16, 2009

Lowest: 10.17 Oct 13, 2008

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